

21861  
042204

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Family Number P2004J011

"PATENT"

Commissioner for Patents  
P.O. Box 1450  
Mail Stop: Patent Application  
Alexandria, Virginia 22313-1450

19270 U.S. PTO  
10/830168  
042204

### NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of:

Inventor(s): John S. Buchanan

For: De-Entrainment of Liquid Particles From Gas

#### 1. Type of Application

☒ Original (nonprovisional)

☐ Divisional

☐ Continuation

of copending application(s)

☐ application number \_\_\_\_\_ filed on \_\_\_\_\_

#### 2. Benefit of Prior U.S. Application (35 U.S.C. 119(e), 120, 121)

☐ The new application being transmitted claims the benefit of prior U.S. application(s).

Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) IS(ARE) CLAIMED.

#### 3. Papers Enclosed

☒ Application ( 19 pages), including 20 claims ( 4 pages), and 1 page Abstract;

☐ \_\_\_\_\_ sheet(s) of informal drawings;

☒ 6 sheet(s) of formal drawings;

☐ Preliminary Amendment

☒ Information Disclosure Statement, EMRE Form -1449;

☐ Copies of citations as listed on attached EMRE Form - 1449;

☐ Other

#### 4. Declaration

☐ Enclosed

☒ Not Enclosed

☐ Priority of application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_ in  
USA (Country) is claimed under 35 U.S.C. 119.

#### CERTIFICATE OF MAILING (37 CFR 1.10)

I hereby certify that this new application transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal service on the date shown below in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number ET040220150US addressed to the: Commissioner for Patents, P.O. Box 1450, Mail Stop: Patent Application, Alexandria, VA 22313-1450.

Martha L. Everett  
(Name of person mailing paper)

Martha L. Everett  
(Signature of person mailing paper or fee)

April 22, 2004  
Date



27810

PATENT TRADEMARK OFFICE

**5. Fee Calculation - Regular Application**

(1) For	(2) Number Filed	(3) Number Extra	(4) Rate	(5) Basic Fee \$770.00
Total Claims	- 20	0	x 18.00	
Independent Claims	- 3	0	x 86.00	
Multiple Dependent Claim(s) if any			+ 290.00	
TOTAL FILING FEE				770.00

☐ Fee for recording Assignment \$ \_\_\_\_\_☒ Please charge Deposit Account No. 05-1330 in the amount of \$770.00☒ The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required during the entire pendency of the application, or credit any overpayment, to Deposit Account No. 05-1330. A duplicate copy of this Form is enclosed.**6. Assignment**☐ An assignment of the invention to ExxonMobil Research and Engineering Company (formerly Exxon Research and Engineering Company) is attached. A separate☐ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or☐ FORM PTO 1595 is also attached.☒ will follow.

NOTE: "If an assignment is submitted with a new application, send two separate letters-one for the application and one for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78)

**7. Certified Copy**

Certified copy(ies) of application(s)

Country \_\_\_\_\_ Appln. No. \_\_\_\_\_ Filed \_\_\_\_\_

From which priority is claimed

☐ is (are) attached.☐ will follow.April 22, 2004  
DATE OF SIGNATURE  
ATTORNEY OR AGENT OF RECORD

Malcolm D. Keen

Registration No. 27,728

Facsimile Number: (703) 846-7799

☒ Pursuant to 37 CFR 1.34(a)**Post Office Address**

(to which correspondence is to be sent):

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